

Receiving Report

Date: 12/4/16
 Supplier: JHXGTE

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr

Batch No: M121380

Dart P/O: 16646

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No N/A
 Shipment Complete: Yes No N/A
 QC6 Inspection: OK 12/4/16 N/A
 Work Order: OK 12/4/16 N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M304R04370		34	12	0	12	
M304S116A		64	80	0	16	
M6061T6B1000X0100V		24	0	0	24	
M6061T6B(2)50X2.00		24	0	0	24	

Initials of receiver (if shipment OK) CJ Level 12

Production/Admin:

Date: 12/4/16

Received/Costing:

Initial: C

Location: 22

Purchase Order Receipt Listing

April 23, 2012 11:11:43 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO16666 All Receipt Dates All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Purchase Order ID/ Line Nbr/ Curr Type	Vendor Name	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Req		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO16666 1 CAD	No	M303H0.500 303 HEX BAR .500 f 121380	f	12.0000 DESJ02	4/13/12 12.0000	4/6/12 \$33.51	\$2.79 0.0000	0.0000 0.0000	0 0	\$33.51	
2 No		M304R0.375 304 ROUND BAR f 0.375 121380	f	60.0000 DESJ02	4/13/12 60.0000	4/6/12 \$92.74	\$1.55 0.0000	0.0000 0.0000	0 0	\$92.74	
3 No		M304R0.4375 304 ROUND BAR f 0.4375 121380	f	24.0000 DESJ02	4/13/12 24.0000	4/6/12 DESJ02	12.0000 \$24.93	\$2.08 0.0000	0.0000 0.0000	0 0	\$24.93
4 No		M304S11GA 304/316 0.125 Sheet sf 121380	sf	64.0000 DESJ02	4/13/12 64.0000	4/6/12 DESJ02	80.0000 \$780.25	\$9.75 0.0000	0.0000 0.0000	0 0	\$780.25
5 No		M304S20GA 304/316 .040 Sheet sf 121380	sf	256.0000 DESJ02	4/13/12 256.0000	4/6/12 DESJ02	256.0000 \$790.82	\$3.09 0.0000	0.0000 0.0000	0 0	\$790.82
6 No		M6061T6B0.750X06. f 6061T6 BAR .750 X f 6.00 121380	f	48.0000 DESJ02	4/13/12 48.0000	4/6/12 DESJ02	48.0000 \$502.59	0.0000 0.0000	0.0000 0.0000	0 0	\$502.59
7 No		M6061T6B1.000X04. f 000 6061-T6 Bar 1.00 x f 4.00 121380	f	48.0000 DESJ02	4/13/12 48.0000	4/6/12 DESJ02	48.0000 \$450.89	\$9.39 0.0000	0.0000 0.0000	0 0	\$450.89
9 No		M174B1.250X02.000 f 174 SS Bar 1.250 x f 2.00 121449	f	24.0000 DESJ02	4/13/12 24.0000	4/9/12 DESJ02	24.0000 \$840.04	\$35.00 0.0000	0.0000 0.0000	0 0	\$840.04

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ Reject Qty	Book Amt
VendorID/Vendor Name	Req	VC-COP001	Thyssenkrupp Materials CA Ltd								
PO16666	10	71550-30	Each		4/13/12	4/23/12	12.0000	\$14.80	0.0000	0	\$177.62
CAD	No	60061T6 BAR 1.250	X.5.000		12.0000	LAV001		\$177.62	0.0000	0	

Total Received Quantity: 52.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$3,693.38
 Total Balance Due Quantity: 12.0000

Ship From: B I L L O F L A D I N G
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033
 Thyssenkrupp Materials NA
 VIM TRANSFER
 Brodhill
 Ship Date 12Apr12 at 8:57 from PWR
 No: PEC 762060
 192 96

======
 B I L L O F L A D I N G
 1) Our Order PEC-438860- 1 Your PO # 16666
 STAINLESS STEEL HEX BAR 303 STAINLESS
 .50" HEX X 144.0000"
 Heat Number Tag No 30060
 Quantity 12 FT PCS 1
 WT LBS 8
 MT
 ======
 2) Our Order PEC-438860- 2 Your PO # 16666
 STAINLESS STEEL ROUND BAR 304L
 .375" DIA X 144.0000"
 Heat Number Tag No 55903
 Quantity 60 FT PCS 5
 WT LBS 23
 MT
 ======
 3) Our Order PEC-438860- 3 Your PO # 16666
 STAINLESS STEEL ROUND BAR 304L
 .437" DIA X 144.0000"
 Heat Number Tag No 55904
 Quantity 12 FT PCS 1
 WT LBS 7
 MT
 ======
 4) Our Order PEC-438860- 5 Your PO # 16666
 STAINLESS STEEL SHEET 304-2B
 .0360 Nom X 48.0000" X 96.0000"
 Heat Number Tag No 55538
 Quantity 256.00 SFT PCS 8
 WT LBS 371
 MT
 ======
 5) Our Order PEC-438860- 6 Your PO # 16666
 ALUMINUM FLAT BAR 6061-T6511
 .750" x 6.00" X 144.0000"
 Heat Number Tag No 55905
 Quantity 48 FT PCS 1
 WT LBS 255
 MT
 =====

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
 ERREURS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RAPOPORTES LES MANQUANTES DOIVENT ETRE
 TOURES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER
 RETOUR EN BONNE CONDITION / RECEIVED IN GOOD CONDITION
 TPS/GST/HST# 140223934 RT001
 TPS/GST/HST# 1017327981 RT001

Page: 1 ... Continued

H. W.

Page: 1 Continued

FROM 438860-4 BACK ORDER SUR-CHARGE PAID
 1) Our Order PEC-439118- 1 Your PO # 16666
 STAINLESS STEEL SHEET 304-2B
 1200 Nom X 48.0000" X 120.0000"
 Heat Number Tag No 9857-4000
 1 CRATE R133
 *** Chemical Analyses ***
 ATTN: CHANTAL/LINDA
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER
 TO SHIPPING.
 MILD TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 ADDDED TO EVERY ORDER.***
 *** PLEASE NOTE A CHARGE COMMANDE.***
 SERA AJOUTEE A CHARGE COMMANDE. \$25.00
 ***UNE SURCHARGE D'ENERGIE DE \$25.00
 *** REFERENCE ON IT ***
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER
 TO SHIPPING.
 MILD TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 ADDDED TO EVERY ORDER.***
 *** FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.
 CONTACTZ-NOUS. NOUS I, AVONS! TEL. 800-926-2600

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOVENT ETRE
 RAPPORTES IMMEDIATEMENT
 ERREURS OU SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

BILL OF LADING
 Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Trolley
 Solid To: (20115)
 STAN IVERS (905-532-1350)
 VHCLE
 Route
 0 - 0 Manifest
 STAINLESS STEEL SHEET 304-2B
 1200 Nom X 48.0000" X 120.0000"
 Heat Number Tag No 9857-4000
 1 CRATE R133
 *** Chemical Analyses ***
 ATTN: CHANTAL/LINDA
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER
 TO SHIPPING.
 MILD TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 ADDDED TO EVERY ORDER.***
 ***UNE SURCHARGE D'ENERGIE DE \$25.00
 *** REFERENCE ON IT ***
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER
 TO SHIPPING.
 MILD TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 ADDDED TO EVERY ORDER.***
 *** FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.
 CONTACTZ-NOUS. NOUS I, AVONS! TEL. 800-926-2600

SHIPPING MATERIAL NA
 4700 BOIS FRANC
 ST. LAURENT, QC H4S 1A7
 TEL: 514-337-0161 Fax: 514-745-2968
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 TEL: 613-632-9577 Fax: 613-632-1053
 BILL OF LADING
 Ship Date 12APR12 at 15:51 from VFW
 No: VIM 371009
 Shipment Date
 VIM TRUCK
 Vla CONCORD
 FOB PREPAID
 Freight
 0 - 0 Manifest
 STAINLESS STEEL SHEET 304-2B
 1200 Nom X 48.0000" X 120.0000"
 Heat Number Tag No 9857-4000
 1 CRATE R133
 *** Chemical Analyses ***
 ATTN: CHANTAL/LINDA
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER
 TO SHIPPING.
 MILD TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 ADDDED TO EVERY ORDER.***
 ***UNE SURCHARGE D'ENERGIE DE \$25.00
 *** REFERENCE ON IT ***
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER
 TO SHIPPING.
 MILD TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 ADDDED TO EVERY ORDER.***
 ***FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.
 CONTACTZ-NOUS. NOUS I, AVONS! TEL. 800-926-2600

DATE

ERREURS OU MARCHANDISES AVANT DE RETOURNER WITHOUT OUR APPROVAL NUMBER.
 RETOUR DE MARCHANDISES MUST BE REPORTED IMMEDIATELY
 RAPPORTÉES IMMÉDIATEMENT.
 TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE

Page: 2 continued

ATTN: CHANTAL/LINDA
 ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **
 TOTAL G.W 1 BLD 1 SKID 1064 LBS

MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING
 MILL TEST REPORTS, PACKING SLIPS ARE SENT WITH

Heat Number
 2BQ334
 3Q060
 9RB9
 A2101093
 B6A9
 HK1124016
 200106028

*** Chemical Analyses ***

BILL OF LADING						
Ship From:	THYSSENKRUPP MATERIALS NA	VIA VIM TRANSFER	ROUTE 0-0 Manifest	Vehicle	SOLD TO: STAN IVVERS (905-532-1350)	SHIP TO: (1) DART AEROSPACE
NO:	PEC 762060	PROB11	FRT PREPAID	FOB CONCORD	CONCORD, ONTARIO LAK 5C6	TEL: 905 669 9444 Fax: 9057389033
Ship Date:	12APR12 at 8:57 from PFW	VIA VIM TRANSFER	ROUTE 0-0 Manifest	VEHICLE	SOLD TO: STAN IVVERS (905-532-1350)	SHIP TO: (1) DART AEROSPACE

BILL OF LADING						
Ship From:	THYSSENKRUPP MATERIALS NA	VIA VIM TRANSFER	ROUTE 0-0 Manifest	VEHICLE	SOLD TO: STAN IVVERS (905-532-1350)	SHIP TO: (1) DART AEROSPACE
NO:	PEC 762060	PROB11	FRT PREPAID	FOB CONCORD	CONCORD, ONTARIO LAK 5C6	TEL: 905 669 9444 Fax: 9057389033
Ship Date:	12APR12 at 8:57 from PFW	VIA VIM TRANSFER	ROUTE 0-0 Manifest	VEHICLE	SOLD TO: STAN IVVERS (905-532-1350)	SHIP TO: (1) DART AEROSPACE

THYSSENKRUPP MATERIALS NA

POR#16666

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
1200 Nom X 48.0000" X 120.0000"
PART NO.

Certificate of Mill Test Results

BL YVM-371086-001
12Apr12
Pg 1/3

Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le producteur du matériel ou les données résultant de

運鋒鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書
INSPECTION CERTIFICATE
列印日期(ISSUE DATE): 2011/09/30

客戶名稱
Customer
Global Stainless Steel Inc.
1150 Meyerside Drive, Mississauga,
Ontario, Canada, L5T 1J4

項目 Item	鋼捲編號 Coil No.		爐號 Heat No.	鋼種 Steel Grade	表面 Finish	產品尺寸(MM) Thickness x Width x Length	淨重(KG) Net Weight
	KA10505990E10-1	A1101712					
1	KA10505990E10-2	A1101712	304	NO.4	1.20 x 1219 x 2438	1,150	
2	KA10505990E10-1	A1101752	304	NO.4	1.50 x 1219 x 2438	1,134	
3	KA10508840J20-1	A1101752	304	NO.4	1.50 x 1219 x 2438	1,124	
4	KA10508840J20-2	A1101752	304	NO.4	0.70 x 1219 x 2438	1,148	
5	H5060	B9904-2010	304	NO.4	0.90 x 1219 x 2438	1,158	
6	KA10336430F10	A2101090	304	NO.4	3.00 x 1219 x 2438	1,120	
7	KA10331970E20	A2101089	304	NO.4	3.00 x 1219 x 2438	1,120	

項 目 Item	化學成份 Chemical Composition (%)						抗拉強度 T.S N/mm ²	降伏強度 Y.S(0.2%) N/mm ²	伸長率 Elong (%)	硬度 HRB	硬度 HV
	C	Si	Mn	P	S	Cr					
1	0.040	0.460	1.130	0.039	0.001	18.100	8.000	0.050	686	288	55.0
2	0.040	0.460	1.130	0.039	0.001	18.100	8.000	0.050	686	288	55.0
3	0.040	0.460	1.110	0.036	0.002	18.200	8.000	0.040	663	325	56.0
4	0.040	0.460	1.110	0.036	0.002	18.200	8.000	0.040	663	325	56.0
5	0.046	0.488	1.201	0.032	0.006	18.144	8.138	0.055	681	332	52.0
6	0.050	0.370	1.120	0.022	0.002	18.200	8.100	0.050	654	291	56.0
7	0.050	0.410	1.200	0.035	0.002	18.400	8.100	0.060	639	313	64.5

茲證明本表所列產品，均依材料規格製造及試驗，並符合規格之要求。

We hereby certify that the products described herein have been manufactured and tested with
Satisfactory results in accordance with the requirement of the above material specification.

本產品無辐射污染，並且不含汞。

The material described above is free irradiation and free mercury.

For and on behalf of
THYSSEN KRUPP MATERIALS NA INC.
S. C. L.

Autographed Signature

高雄市前金區中正四路235號13F
13-F, No. 235, Jungeng, 4th Road
Chimin Chiu, Kaohsiung, Taiwan.

l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR:

THYSENKRUPP MATERIALS NA

DART AEROSPACE

PO/Ref 16666
BL VIM-371009-001
12Apr12
Pg 2/3

STAINLESS STEEL SHEET 304-2B
1200 Nom X 48.0000" X 120.0000"
PART NO.

Certificate of Mill Test Results

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
producteur du materiel ou les donnees resultant de

通銀鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書
INSPECTION CERTIFICATE
列印日期(ISSUE DATE): 2011/09/30

高雄市前金區中正四路235號13F
13-F, No. 235, Jungcheng, 4th Road
Chianjin Chin, Kaohsiung, Taiwan.

L'analyse faite par un laboratoire qualifie.
SIGNÉ PAR:

客戶名稱
Customer
Global Stainless Steel Inc.
1150 Meyerside Drive, Mississauga,
Ontario, Canada, L5T 1J4

項目 Item	鋼捲編號 Coil No.	爐號 Heat No.	鋼種 Steel Grade	表面 Finish	產品尺寸(MM)		淨重(KG) Net Weight
					Thickness	Width x Length	
8	KA10505990E10-3	A1101712	304	NO.4	1.20	x 1219 x 3048	1,386
9	KA10508840J20-3	A1101752	304	NO.4	1.50	x 1219 x 3048	1,142
10	KA10508840J20-4	A1101752	304	NO.4	1.50	x 1219 x 3048	1,134
11	KA10505150E10-1	A2101743	304	2B	1.50	x 1219 x 2438	1,814
12	KA10336420D10	A2101093	304	2B	0.90	x 1219 x 2438	1,161
13	H4886-1	B6857-4000	304	2B	3.00	x 1219 x 2438	1,108
14	KA10505990E20	A1101712	304	2B	1.20	x 1219 x 3048	1,368

化學成份 Chemical Composition (%)

項 目 Item	化學成份 Chemical Composition (%)						機械性質 Mechanical Properties							
	C	Si	Mn	P	S	Cr	Ni	N	T.S. N/mm ²	Y.S(0.2%) N/mm ²	Elong (%)	硬度 HRB	硬度 HV	
8	0.040	0.460	1.130	0.039	0.001	18.100	8.000	0.050	686	288	55.0	87.5	-	
9	0.040	0.460	1.110	0.036	0.002	18.200	8.000	0.040	663	325	56.0	83.0	-	
10	0.040	0.460	1.110	0.036	0.002	18.200	8.000	0.040	663	325	56.0	83.0	-	
11	0.050	0.320	1.170	0.037	0.001	18.200	8.000	0.040	658	271	58.0	79.5	-	
12	0.040	0.390	1.170	0.035	0.002	18.000	8.000	0.040	658	290	57.5	84.5	-	
13	0.046	0.414	1.195	0.033	0.003	18.075	8.063	0.054	640	274	56.3	84.2	-	
14	0.040	0.460	1.130	0.039	0.001	18.100	8.000	0.050	686	288	55.0	87.5	-	

茲證明本表所列產品，均依材料規格製造及試驗，並符合規格之要求。

We hereby certify that the products described herein have been manufactured and tested with
Satisfactory results in accordance with the requirement of the above material specification.
本產品無輻射污染，並且不含汞。

The material described above is free irradiation and free mercury.

For and on behalf of
YUEN CHANG STAINLESS
STEEL CO., LTD.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L
 .375" DIA X 144.0000"
 PART NO.

PO'Rel16666

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.



METALLURGICAL TEST REPORT

6870 HIGHWAY 42 EAST

Certificate: 720314 2 Mail To:
 THYSSENKRUPP MATERIALS
 2821 LANGSTAFF ROAD
 CONCORD, ON L4K5C6

Customer: 007206 001

AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F

SOLUTION ANNEAL TEMP 1900F MIN

Your Order:

PEC236568

Product Description:

Round Bar, Annealed, Cold Draw
 UNS 30400/30403 EN 10204 3.1, ASTM A484/10
 ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
 ASME SA479/10a, ASME SA182/10 CHEM ONLY
 AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F
 SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/ REQUIREMENTS OF DFARS EU DIRECTIVE 2002-95.
 EC. ROHS. EAF+ADD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
 FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

NAS Order: PN 0017889 03

Corrosion: ASTM A262 Prac A/E OK

Ship To:

THYSSENKRUPP MATERIALS
 2821 LANGSTAFF ROAD
 CONCORD, ON L4K5C6

Finish: CD

Date: 3/14/2012 Page: 1

Steel: 304/304L

Product Id	Skid #	Diameter	size	Weight	Length	Mark	Pieces	Commodity Code
BR4118 5		.3750	1,264		144.00	3	1	

CHEMICAL ANALYSIS

CM(Country of Mfg) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Heat	CM	C	CO	CR	CU	MN	MO	N	NI	P
B619	US	.0130	.1405	.18-.1325	.4710	1.3940	.3645	.0705	8.5920	.0315
		S	SI							

.0215

.2815

MECHANICAL PROPERTIES

Product Id	d	HB	UTS	UTS	RA	Elong
BE4118 5	R L	217.00	90.81	107.40	72.40	% 2"

1	d	217.00	90.81	107.40	72.40	42.30
---	---	--------	-------	--------	-------	-------

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated

3/14/2012

Dok No. 130358 Indexed 16Mar12 by sissup4

Technical Dept. Mgr.

ERIC TIESS

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L
 $.437^{\text{in}}$ DIA X 144.0000
 PART NO

PO/Rel 16666

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.



6870 HIGHWAY 42 EAST

Certificate: 661622 1 MAIL TO:
 THYSSENKRUPP MATERIALS
 2821 LANGSTAFF ROAD
 CONCORD, ON L4K5C6

Your Order: PEC231154

PRODUCT DESCRIPTION:
 Round bar, Annealed, Cold Draw
 UNS 30400/30403 EN 10204 3.1, ASTM A480/08
 ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
 ASME SA479/10a, ASME SA182/10 CHEM ONLY
 AMS 5639H, AMS 5647H, AMS QQS-763B, QQS-763F

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
 6870 HIGHWAY 42 EAST
 GHENT, KY 41045

SHIP TO:
 THYSSENKRUPP MATERIALS
 2821 LANGSTAFF ROAD
 CONCORD, ON L4K5C6

MRS Order: PN 0014699 03

Corrosion: ASTM A262 Prac A/B OK

R E M A R K S :

COMPLIES W/ REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
 EC - ROHS. EAP+ADD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
 FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BD9804 8		.4370		1,026		144.00	5	1

C H E M I C A L A N A L Y S I S CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
9RB9	US	.0168	.1665	18.0330	.3205	1.3750	.2695	.0732	8.5080	.0310
	S		SI							

M E C H A N I C A L P R O P E R T I E S

Product Id	1	4	2YS	UTS	RA	Elong	%	% 4D
BD9804 8	R	L	209.00	88.09	103.73	72.26	51.10	

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Doc No. 115884 Indext 10Aug11 by sissup1

Sign:

Date: 8/08/2011

Page: 1

Sign:

Date: 8/08/2011

Page: 1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
.0360 Nom X .48.0000" X 96.0000"
PART NO.

PO/Ref 16666

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

12Apr12

Pg 1/1

BL PEC-762060-004

Signed by:

連鎖鋼鐵股份有限公司

YUEN CHANG STAINLESS STEEL CO., LTD.

INSPECTION CERTIFICATE

列印日期 (ISSUE DATE): 2011/09/30

檢驗報告證明書

高雄市楠梓區中正四路 235 號 13F

13-F, No. 235, Jungjeng, 4th Road

Chianjin Chiu, Kaohsiung, Taiwan.

Customer
Global Stainless Steel Inc.
1150 Meyerside Drive, Mississauga,
Ontario, Canada, L5T 1J4

項目
Item
鋼卷編號
Coil No.

Heat No.

鋼種
Steel Grade

表面
Finish

產品尺寸(MM)
Thickness x Width x Length

淨重(KG)
Net Weight

ORIGINAL

PO No.: 82518

Shipment No.: 4970

客戶名稱
Customer
化學成份
Chemical Composition (%)

C Si Mn P S Cr Ni N

0.040 0.460 1.130 0.039 0.001 18.100 8.000 0.050

0.040 0.460 1.110 0.036 0.002 18.200 8.000 0.040

0.040 0.460 1.110 0.036 0.002 18.200 8.000 0.040

0.050 0.320 1.170 0.037 0.001 18.200 8.000 0.040

0.040 0.390 1.170 0.035 0.002 18.000 8.000 0.040

0.046 0.414 1.195 0.033 0.003 18.075 8.063 0.054

0.040 0.460 1.130 0.039 0.001 18.100 8.000 0.050

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1-SC8988 28

茲證明本表所列產品，均依材料規格製造及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with
Satisfactory results in accordance with the requirement of the above material specification.
本產品無幅射污染，並且不含汞。
The material described above is free irradiation and free mercury.

Accordance With ASTM A240 And ASTM A40

Signature:

Alan Chang
Signature

Doc No. I25964 Inddexed 5Jan12 by sussup

12Apr12 Pg 1/1

Page 1 of 1

Line Item: 001
Kaiser Order Number: 627366
Plant Serial: 00037689

Kathleen Almstrom reported products, LLC, recently received a contract under the same order that has been completed and delivered to Kafeser's sales acknowledge department soon. Any warranty is limited to that shown on descriptions set forth in contracts with applicable specifications forming a part of the general terms and conditions of sale. Test reports are on file, subject to examination.

CERTIFICATION

MANUFACTURED IN USA MELTED IN USA

Miscellaneous Notes

PEER ASTM-B22-08, STRENGTHLED ASME-SB221 1996 SECT II PER AMS-QQ-A-200/8 UNS# A9606L
MEETS ALL SPECIFICATIONS REQUIREMENTS FOR 6061-T6511/T6. ELONGATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 62.0 KSI MIN YI21D = 38.0 KSI MIN ELONGATION = 10.0% MIN

LIMITS	S4	E4	Ca	Mn	Mg	Cr	Zn	Tl	Pb	Bi	2x	2z	Ba	Total
Maxiumum	0.83	0.70	0.40	C.15	-	0.20	0.35	0.15	0.25	0.00	0.00	0.00	0.05	0.15
Miniumum	0.43	0.40	0.00	0.15	C.00	0.80	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101383	.73	.35	.28	.08	.94	.10	.05	.04	.04	.00	.00	.00	.01	.03

Chemical Composition (wt%), Aluminum Remainder

REFERENCE	DASH#	SAMPLE#	UTS (ksi)	VTS (ksi)	ELONG%	HARDNESS	CONDUCT.	BEND
COC106028	000C1	2	49.3	45.9	17.3	RE	92	N/A
COC106028	000C2	1	49.6	46.2	16.7	RE	92	N/A
COC106028	000C2	2	48.6	44.9	16.5	RE	92	N/A
COC106028	000C2	3	48.4	45.2	16.1	RE	92	N/A
COC106028	000C2	4	47.2	43.9	15.9	RE	93	N/A
COC106028	000C2	5	47.2	43.9	15.9	RE	93	N/A

Actual Physical Properties

<http://Online.KaliseRAluminum.com>

192

KASEER
ALUMINUM
FABRICATED PRODUCTS

THYSSENKRUPP MATERIALS NA
Certificate of Mill Test Results

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.00" X 4.00" X 144.0000"
PART NO.

PO/Ref 16666

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.



MILL TEST REPORT

BILL TO

THYSSENKRUPP MATERIALS.NA
SHIP TO
THYSSENKRUPP MATERIALS.NA
SO DESCRIPTION
1"X4" FB

Cert. Code:

1

CUSTOMER PO

PEC-236822

CUSTOMER PART NUMBER

1-1000-4000

DATE OF SHIPMENT

2/22/2012

SALESMAN

FORBES DODWELL

EXTRUDEX ORDER NO.

142539 — 5

DIE NUMBER

S 4657

TEMPER

T6511

ALLOY

6061

PART DESCRIPTION

MILL TEST ASTM B21

MANIFEST NO.

261503

MADE IN CANADA

CERTIFICATION

MILL TEST ASTM B21

Mechanical Properties

Test Date

Feb/16/12

Ultimate Tensile Strength (KSI)

40.1

Yield Strength (KSI)

35.5

Percent Elongation

12.80

Hardness

86.8, 86.7, 86.9

Conductivity

Chemical Composition

Cast Number

6061

Si

0.60

Fe

0.17

Cu

0.20

Mn

0.03

Mg

0.90

Cr

0.07

Ni

0.00

Zn

0.01

Al

0.01

Bi

0.00

Pb

0.00

Sn

0.00

Sr

0.00

C_g

0.00

A_f

0.00

Other

0.02

Remainder

0.00

Cast Number

2BQ334

Si

0.60

Fe

0.17

Cu

0.20

Mn

0.03

Mg

0.90

Cr

0.07

Ni

0.00

Zn

0.01

Al

0.01

Bi

0.00

Pb

0.00

Sn

0.00

Sr

0.00

C_g

0.00

A_f

0.00

Other

0.02

David Natale
Quality Control Manager

Plant Serial: 00028666
Kaiser Order Number: 613128
Line Item: 001

Page 1 of 1

[Handwritten Signature]

ALX Yeh, Quality & Technology Manager

Kaiser Aluminum Foil Coated and Conductive Foil
has been ordered under this purchase order that has been
received and accepted and found to be in conformance with applicable specifications forming a part of the
specification set forth in contract or agreement. Any variance is limited to that shown on
the specification sheet.

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN CSA

Miscellaneous Notes

Applicable Requirements:

LIMITS	S1	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Ba	Zr	Ea	Total
Max. mm	C.80	0.70	0.10	0.15	1.20	0.35	0.25	0.15	N/A	N/A	N/A	0.05	0.15
Min. mm	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.30	N/A	N/A	N/A	0.00	0.00
II41311	.69	.45	.28	.10	.97	.09	.06	.02	.01	.01	.01	.01	.05

Chemical Composition (wt%), Aluminum Remainder

REFERENCE	DASH#	SAMPLE#	UTS (ksi)	ELONG%	HARDNESS	CONDCT.	BEND
HK1124016	0001	1	50.7	46.4	13.1	RE 93	N/A
HK1124016	0001	2	51.5	47.1	14.0	RE 93	N/A

Actual Physical Properties

Customer PO Number:	PEC-236736-1	Customer Part Number:	ALREC00368	Product Description:	1250 X 5.000 SC RECT BAR	Base Order Number:	02/07/2012	Kaiser Lot Number:	HK1124016	Alloy:	6061	Temp:	T6511
Weight Shipped:	1058.000 LB	Quantity:	12,000 PCS	Unit:	602575	Ship To:				Width:	12.000 FT	Length:	
WEIGHT SHIPPED:	1058.000 LB	QUANTITY:	12,000 PCS	UNIT:	602575	SHIP TO:				WIDTH:	12.000 FT	LENGTH:	
KAISER ALUMINUM	5205 KAISER DRIVE	SHIP DATE:	02/07/2012	KAISER LOT NUMBER:	HK1124016	TEMPER:	6061	TEMPER:	T6511	TEMPER:	6061	TEMPER:	HK1124016
THYSSENKRUPP MATERIALS NA	2821 LANGSTAFF ROAD	ITEM:		ITEM:		ITEM:		ITEM:		ITEM:		ITEM:	THYSSENKRUPP MATERIALS NA
THYSSENKRUPP MATERIALS NA	2821 LANGSTAFF ROAD	ITEM:		ITEM:		ITEM:		ITEM:		ITEM:		ITEM:	CONCORD, ON L4K 5G6 CANADA
WEIGHT SHIPPED:	1058.000 LB	QUANTITY:	12,000 PCS	UNIT:	602575	SHIP TO:				WIDTH:	12.000 FT	LENGTH:	SHIPPING
KAISER ALUMINUM	5205 KAISER DRIVE	SHIP DATE:	02/07/2012	KAISER LOT NUMBER:	HK1124016	TEMPER:	6061	TEMPER:	T6511	TEMPER:	6061	TEMPER:	HK1124016
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WEIGHT SHIPPED:	1058.000 LB	QUANTITY:	12,000 PCS	UNIT:	602575	SHIP TO:				WIDTH:	12.000 FT	LENGTH:	SHIPPING
KAISER ALUMINUM	5205 KAISER DRIVE	SHIP DATE:	02/07/2012	KAISER LOT NUMBER:	HK1124016	TEMPER:	6061	TEMPER:	T6511	TEMPER:	6061	TEMPER:	HK1124016
WEIGHT SHIPPED:	1058.000 LB	QUANTITY:	12,000 PCS	UNIT:	602575	SHIP TO:				WIDTH:	12.000 FT	LENGTH:	SHIPPING
KAISER ALUMINUM	5205 KAISER DRIVE	SHIP DATE:	02/07/2012	KAISER LOT NUMBER:	HK1124016	TEMPER:	6061	TEMPER:	T6511	TEMPER:	6061	TEMPER:	HK1124016
WEIGHT SHIPPED:	1058.000 LB	QUANTITY:	12,000 PCS	UNIT:	602575	SHIP TO:				WIDTH:	12.000 FT	LENGTH:	SHIPPING
KAISER ALUMINUM	5205 KAISER DRIVE	SHIP DATE:	02/07/2012	KAISER LOT NUMBER:	HK1124016	TEMPER:	6061	TEMPER:	T6511	TEMPER:	6061	TEMPER:	HK1124016
WEIGHT SHIPPED:	1058.000 LB	QUANTITY:	12,000 PCS	UNIT:	6025								

No substitution or deviation without
consent.
Certificate of Conformity or Material
consent.
Certification required when applicable

91/444(1)

MATERIAL: AISI 303 SS HEX BAR AS <i>(4/24/14)</i>	303 HEX BAR .500	4/13/12	12.00	Yours ppd	\$2.8000	303H0.500	037
MATERIAL: AISI 303 SS HEX BAR AS <i>(4/24/14)</i>	304 ROUND BAR 0.375	4/13/12	60.00	Yours ppd	\$1.5500	304H0.375	029
MATERIAL: MATERIAL: 304/316 SS <i>(4/24/14)</i>	304 ROUND BAR 0.4375	4/13/12	24.00	Yours ppd	\$2.0833	304R0.4375	
NOTE: AISI 303 NOT ACCEPTABLE AS PER ASTM A276	NOTE: AISI 303 NOT ACCEPTABLE AS PER ASTM A276						

3/3/2017

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TYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL-C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

VC-COP01

PURCHASE ORDER#	PO1666
Purchase Order ID	PO1666
Purchase Order Date	4/10/12
PO Print Date	4/10/12
Page Number	1 of 3

Purchase Order ID PO16666		PURCHASE ORDER	Order From : THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A" TORONTO, ON M5W 5V8	Page Number : 2 of 3
Contact Name Vendor Phone Vendor Fax	Buyer Requisition Nbr Tax Resale Nbr Terms Net 30	Chantal Laviole 64.00 Yours ppd 4/13/12	FOB Currenty CAD Estimation-Collect M 12/13/8	CA
Contract Name Vendor Account Nbr 905 738 9033 10127-2607		304/316 0.125 Sheet \$9.7805 4/13/12	Special Instructions: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	004
304/316 0.40 Sheet \$3.0978 4/13/12		304/316 0.40 Sheet 256.00 Yours ppd 4/13/12	Special Instructions: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	004
M304S20GA 6061T6B0.750X06.000 4/13/12		6061T6 BAR .750 X 6.00 \$10.5000 4/13/12	Special Instructions: MATERIAL: 6061-T6 T6/T651/T6510/6511T6 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR AMS 4160 OR ASTM B221 OR AMS Q-Q-200/8 OR AMS-QQ-A-200/8 OR ASTM B221	004
M6061T6B1.000X04.000 4/13/12		6061-T6 Bar 1.00 X 4.00 \$452.16 4/13/12	Special Instructions: No substitution or deviation without consent. Certificate of Conformity or Material Certification required when applicable	004

Purchase Order ID PO16666		PURCHASE ORDER	Order From : DART Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577 Fax: 613 632 1053	Page Number : 2 of 3
Purchaser Order ID PO16666		Purchase Order Date 4/10/12	PO Print Date 4/10/12	004
DART Aerospace Ltd.		Chantal Laviole 64.00 Yours ppd 4/13/12	Special Instructions: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	004
M304S11GA 905 669 9444 10127-2607		304/316 0.125 Sheet \$9.7805 4/13/12	Special Instructions: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	004
M304S20GA 905 738 9033 10127-2607		304/316 0.40 Sheet \$3.0978 4/13/12	Special Instructions: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	004
M6061T6B0.750X06.000 4/13/12		6061T6 BAR .750 X 6.00 \$10.5000 4/13/12	Special Instructions: MATERIAL: 6061-T6 T6/T651/T6510/6511T6 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR AMS 4160 OR ASTM B221 OR AMS Q-Q-200/8 OR AMS-QQ-A-200/8 OR ASTM B221	004
M6061T6B1.000X04.000 4/13/12		6061-T6 Bar 1.00 X 4.00 \$452.16 4/13/12	Special Instructions: No substitution or deviation without consent. Certificate of Conformity or Material Certification required when applicable	004

Order From :	Customer Name	Buyer	Chantal Lavioie	FOB	Currency	Terms	Tax Release Nbr	Tax Resale Nbr	Net 30	Vendor Account Nbr	Vendor Fax	905 738 9033	Regquisition Nbr	10127-2607	CA
THYSSENKRUPP MATERIALS CANADA LTD	O/A VPK METAL - C/O 127540/PO BOX 4275, POSTAL "A"	TORONTO, ON M5W 5V8	VC-COP001												
905 669 9444	905 738 9033														
Contact Name	Customer Name	Buyer	Chantal Lavioie	FOB	Currency	Terms	Tax Release Nbr	Tax Resale Nbr	Net 30	Vendor Account Nbr	Vendor Fax	905 669 9444	Regquisition Nbr	10127-2607	CA
CA															
Special Inst:	MATERIAL: 6061.	T6/T651/T6510/6511T62 ALUMINUM BAR AS PER T6/T651/T6510/6511T62 ALUMINUM BAR OR AMS-QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR AMS 4117/4128/4115/4116 OR Q-Q-A-200/8 OR AMS-QQ-A-200/8 OR Q-Q-A-200/8 OR ASTM B211 OR ASTM B221	4/13/12	24.00	Yours ppd	F	Yes			M174B1.250X02.000	\$842.40				
Special Inst:	MATERIAL: 6061.	T6/T651/T6510/6511T62 ALUMINUM BAR AS PER T6/T651/T6510/6511T62 ALUMINUM BAR OR AMS-QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR AMS 4117/4128/4115/4116 OR Q-Q-A-200/8 OR AMS-QQ-A-200/8 OR Q-Q-A-200/8 OR ASTM B211 OR ASTM B221	4/13/12	24.00	Yours ppd	F	Yes			M174B1.250X02.000	\$842.40				
Special Inst:	MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI	17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI	4/13/12	12.00	Yours ppd	Each	Yes			6061T6 BAR 1.250 X	\$176.04				
Special Inst:	MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI	17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI	4/13/12	12.00	Yours ppd	Each	Yes			6061T6 BAR 1.250 X	\$176.04				

PURCHASE ORDER

No substitution or deviation without consent.
Certificate of Conformity or Material Certificate required when applicable.

ad

PO Total: \$3,500.15

MATERIAL CERTIFICATION
RECD UPON DELIVERY

Special Inst: MATERIAL: 174 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100 KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

9 M174B1.250X02.000 174 SS Bar 1.250 x 2.00 4/13/12 24.00 Yours ppd \$35.1000 \$842.40

Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

8 M6061T6B1.500X01.250 6061-T6 Bar 1.50 x 1.25 4/13/12 24.00 Yours ppd \$4.4167 \$106.00

Special Inst:

Special Inst: MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Contract Name	Vendor Phone	Vendor Fax	Requirement Nbr	Tax Resale Nbr	Net 30	Terms	CAD	Currenty	FOB	Destination-Collect
	905 669 9444	905 738 9033	10127-2607							

CA
TORONTO, ON M5W 5V8
O/A VPK METAL-C/O T27540/Po BOX 4275, POSTAL "A"
THYSENKRUPP MATERIALS CA LTD
VC-COP001
Order From :

Page Number 3 of 3

Purchase Order Date 4/10/12

Purchase Order ID PO16666

PURCHASE ORDER

DART	Dart Aerospace Ltd.	Hawkesbury, ON K6A 1K7	Fax: 613 632 1053
	1270 Aberdeen Street	Tel: 613 632 9577	